T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
T-36266.00			
-145064.00			
F- 36266.00			
3F- 3627.00			
R - 42901.00			
tal Ded: 264724.00			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209131

BR-396/30 7/16

Serial No. 1st and final Bill From ..... To .....
Name of Work ..... B.B. Umesh. Contractor
Name of Contractor of nature of Agency ..... D.O. Recordg. 30/07/2016
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of work :- Improvements to Roads and drains at Sinayapura paradise and surrounding Roads in Ward No.11. Vidyaraiyapura Sub-Division.						
	Estimated cost :- 011-16-000003						
	JOB.no Rs 30.00 Lakh						
	Work order no :- EE/BTP/BBMP/E-PMT/01(17823)/WO/41/2016-17 Dt 26-05-2016						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of commencement :						
	Date of completion :						
	(1) Earthwork excavation by manual means in ~~hard~~ ordinary soil, involving an average horizontal throw upto 0.500m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc complete as per specification and directions of Engineer-in-charge of the work.						62937.00
	Qty vide MB no. 2095 p. 2094 85% (1) 832.50 m² @ 75.60/m²						

Serial No. .....
Name of Work .....
Name of Contractor of na
Date of commencement

Date	Full descriptio
1	2
	(2) Removing complete in-charg
	(3) Refixing 1:3 etc of Engrs

...NT BOOK

...ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
...and mean in ~~hard~~ ordinary				
...moval through up to				
...and sides neatly				
...be levelled neatly				
...plete as per specification				
...charge of the work.				
...MB no. 2095				62937.00

...St ① 832.50 m² @ 75.61/m²

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209132

Serial No. ....
Name of Work .... From............................... To...............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	② Removing of R.C. slabs drain and stacking etc complete as per specifications and directions of Engineer in-charge of the work.						
	Qty vide MB no. 2095 p. 209487 St ② = 2214 m² @ 58.32/m²						129120.48
	(3) Refixing stone slabs of drains and pointing in cm 1:3 etc complete as per specifications and directions of Engineer-in-charge of work.						
	Qty as per St no. ②						167378.40

2214 m² @ 75.60/m²

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam. Specification including premixing the materials with water at OMC in mechanical mix plant, carriage of mixed materials by tipper to site, laying in uniform layers with power in sub-base course on well prepared surface and compacting with vibrating roller to achieve the desired density etc complete as per specifications and directions of Engineer in charge of the work.						1197601.20

Qty vide MB. No. 2095

P. 209488.20 · (3) 832.50 y^3 @ 1438.56

Serial No. .....

Name of Work .....

Name of Contractor of nature of A

Date of commencement of work ..

Date	Full description, etc, of
1	2
(5)	Providing and a Emulsion on such an WBM surface and 0.60 kg/m² as per specifica

BOOK

...ons		Contents	Reference to last Measurement
...readth 5	Depth 6	7	8
...and	Compacting		
...mix	Macadam.		
...the	materials with		
...mix	plant, Carriage of		
...	laying in uniform		
...rse on well pre			
...with vibrating			
...nsity etc complete			
...of	Engineer		
...le	MB. No. 2095		1197601.20

...88.20 (3) 832.50 y^3 @ 1438.56

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209133

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Qty =	832.50 y^3		@ 1438.56/y^3	1197601.20
(2)	Providing and applying primer coat with S.S. bitumen Emulsion on prepared surface of granular base such as WBM, WMM including cleaning of Road surface and spraying primer at the rate of 0.60 kg/m^2 using mechanical means etc complete as per specifications and directions of Engineer-in-						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Charge of the work						
	(a) Seenappa tota (Ross Road -1) (0.00 to 138.90 mts)	1	30.00	$\frac{4.7+3.95}{2}$	=	129.75 m²	
		1	30.00	$\frac{3.95+3.80}{2}$	=	116.25	
		1	30.00	$\frac{3.80+3.60}{2}$	=	111.00	
		1	30.00	$\frac{3.6+3.3}{2}$	=	103.50	
		1	18.90	$\frac{3.3+3.16}{2}$	=	65.21	
	(b) Seenappa tota (Cross-Road no. 2 (0.00 to 143.0 mts)	1	30.00	$\frac{5.50+5.3}{2}$	=	162.00	
		1	30.00	$\frac{5.30+5.0}{2}$	=	154.50	
		1	30.00	$\frac{5.0+5.30}{2}$	=	154.50	
		1	30.00	$\frac{5.30+5.70}{2}$	=	165.00	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Age

Date of commencement of work .....

Date	Full description, etc, of wo
1	2
(c)	Ayyappa Swamy Road) (0.00 to

DK

Depth 6	Contents 7	Reference to last Measurement 8
98 =	129.75	
.80 =	116.25	
.60 =	111.00	
3 =	103.50	
.16 =	65.4	
3 =	162.00	
=	154.50	
30 =	154.50	
5.70 =	165.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209134

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	28.00	$\frac{5.70+6.20}{2}$		= 136.85	
(C)	Ayyappa Swamy Temple Road) (0.00 to	1	30.00	$\frac{4.90+5.50}{2}$		= 156.00	
		1	30.00	$\frac{5.50+7.50}{2}$		= 195.00	
		1	30.00	$\frac{7.50+7.20}{2}$		= ~~195.00~~ 220.50 c	
		1	30.00	$\frac{7.20+5.80}{2}$		= 210.00	
		1	30.00	$\frac{6.80+6.90}{2}$		= 205.50	
		1	24.00	$\frac{6.90+8.00}{2}$		= 178.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	18.50	$\frac{4.30+6.50}{2}$		= 99.90	
		1	30.00	$\frac{4.90+3.95}{2}$		= 132.75	
		1	28.50	$\frac{3.95+5.30}{2}$		= 131.81	
		1	34.00	$\frac{5.616.2+3.0}{3}$		= 167.73	
	(d) Ayyappa Temple Back side Road	1	30.00	$\frac{5.70+4.9}{2}$		= 159.00	
		1	30.00	$\frac{4.9+4.9}{2}$		= 141.00	
		1	30.00	$\frac{4.5+4.6}{2}$		= 136.50	
		1	30.00	$\frac{4.6+3.8}{2}$		= 126.00	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agen

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(e) Varadarajnagar Stage. 2nd Cros

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0+6.50 / 2	= 99.90	
0+3.95 / 2	= 132.75	
+ 5.30 / 2	= 131.81	
6.2+3.0 / 3	= 167.73	
+4.9 / 2	= 159.00	
+4.9 / 2	= 141.00	
+4.6 / 2	= 136.50	
+3.8 / 2	= 126.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209135

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(C) Varadarajnagar 2nd Stage. 2nd Cross Rd	1	5.00	3.80+5.30 / 2		= 22.75	
		1	30.00	5.6+5.50 / 2		= 166.50	
		1	30.00	5.50+5.50 / 2		= 165.00	
		1	30.00	5.50+5.50 / 2		= 165.00	
		1	30.00	5.50+5.90 / 2		= 171.00	
		1	30.00	5.90+6.00 / 2		= 178.50	
		1	30.00	6.00+5.90 / 2		= 178.50	
		1	15.00	6.0+6.0 / 2		= 90.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{4.60+4.60}{2}$		= 138.00	
		1	30.00	$\frac{4.60+4.90}{2}$		= 142.50	
		1	20.00	$\frac{4.9+4.50}{2}$		= 94.00	
	from SWD to Sinaya pura-Road	1	30.00	$\frac{4.60+4.3}{2}$		= 136.50	
		1	35.00	$\frac{4.30+5.20}{2}$		= 166.25	
						5552.05 m²	
					Ltd to	5550.00 m²	
					e	31.32/m²	173826.00
(b)	Providing and laying of semidense bituminous concrete using crushed aggregates specified						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agen

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	grading, premix transporting the paver finisher to Rolling with smo Roller to achive t specifications cl as per specifica Hmp with sens

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
0.00	$\frac{6.60+4.60}{2}$		= 138.00	
0.00	$\frac{4.60+4.90}{2}$		= 142.50	
0.00	$\frac{4.9+4.50}{2}$		= 94.00	
0.00	$\frac{4.60+4.3}{2}$		= 136.50	
5.00	$\frac{4.30+5.20}{2}$		= 166.25	
			5552.05 m²	
	Ltd to		5550.00 m²	
		e	31.32 /m²	173826.00

dense bituminous
aggregate specified

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209136

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	grading, premixed with bituminous binder and filler transporting the hot mix to worksite laying with a paver finisher to the required grade, level and alignment, Rolling with smooth wheeled, vibratory and tandem Roller to achieve the desired compaction as per morth specifications clause no 508 complete in all respects as per specifications using 100-120 TPH capacity Hmp with sensor paver ~~finisher~~ grading II						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(25-30mm) With 5% CRMB-55 grade, etc complete as per specification and directions of Engineer in-charge of the Work.						
	(a) Reemappa thota Cross Road No.1 (0.00 to 138.90m)					Avg	
		1	30.00	$\frac{4.7+3.95}{2}$	0.025	= 3.24	
		1	30.00	$\frac{3.95+3.4}{2}$	0.025	= 2.91	
		1	30.00	$\frac{3.4+3.6}{2}$	0.025	= 2.78	
		1	30.00	$\frac{3.6+3.3}{2}$	0.025	= 2.59	
		1	18.90	$\frac{3.3+3.6}{2}$	0.025	= 1.63	
	(b) Reemappa thota Cross-Road.2	1	30.00	$\frac{5.5+5.3}{2}$	0.025	= 4.05	

30/7

Serial No. .....

Name of Work .....

Name of Contractor of nature of Age

Date of commencement of work .....

Date	Full description, etc, of we
1	2
	(0.00 to 143.
	(c) Ayyappa Tem front Road

BOOK

...ons		Contents	Reference to last Measurement
...readth 5	Depth 6	7	8
...grade, etc complete			
...of Engineer			
	Avg		
...+3.95 / 2	0.025 = 3.24		
...95+3.8 / 2	0.025 = 2.91		
...80+3.6 / 2	0.025 = 2.78		
...6+3.3 / 2	0.025 = 2.59		
...3+3.6 / 2	0.025 = 1.63		
...5+5.3 / 2	0.025 = 4.05		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209137

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6 Avg	Contents 7	Reference to last Measurement 8
	(0.00 to 143.00 m)	1	30.00	5.3+5.0 / 2	0.025 =	3.86	
		1	30.00	5.0+5.3 / 2	0.025 =	3.86	
		1	30.00	5.3+5.7 / 2	0.025 =	4.13	
		1	23.00	5.7+6.2 / 2	0.025 =	3.42	
	(c) Ayyappa Temple front Road	1	30.00	4.9+5.5 / 2	0.025 =	3.90	
		1	30.00	5.5+7.5 / 2	0.025 =	4.88	
		1	30.00	7.5+7.2 / 2	0.025 =	5.51	

30/7

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Checked. 30/7/16. [illegible]	1	30.00	$\frac{7.2+6.80}{2}$	0.025 = 5.25		
		1	30.00	$\frac{6.80+6.9}{2}$	0.025 = 5.14		
		1	24.00	$\frac{6.9+8.0}{2}$	0.025 = 4.47		
		1	18.50	$\frac{4.3+6.5}{2}$	0.025 = 2.50		
		1	30.00	$\frac{4.9+3.95}{2}$	0.025 = 3.32		
		1	28.50	$\frac{3.95+5.3}{2}$	0.025 = 3.30		
		1	34.00	$\frac{5.6+6.2+3.0}{3}$	0.025 = 4.19		
	(d) Ayyappa Temple Back side Road	1	30.00	$\frac{5.7+4.9}{2}$	0.025 = 3.98		

Serial No. .....

Name of Work .....

Name of Contractor of nature of Ag

Date of commencement of work ...

Date	Full description, etc, of w
1	2
	Varadarajnaga Stage - 2nd C

IT BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
$\frac{7.2+6.80}{2}$	0.025 = 5.25		
$\frac{6.80+6.9}{2}$	0.025 = 5.14		
$\frac{6.9+8.0}{2}$	0.025 = 4.47		
$\frac{4.3+6.5}{2}$	0.025 = 2.50		
$\frac{4.9+3.95}{2}$	0.025 = 3.32		
$\frac{3.95+5.3}{2}$	0.025 = 3.30		
$\frac{5.6+6.2+3.0}{3}$	0.025 = 4.19		
$\frac{5.7+4.9}{2}$	0.025 = 3.98		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209138

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Varadaraj Nagar 2nd Stage - 2nd CROSS Rd	1	30.00	$\frac{4.9+4.5}{2}$	0.025 = 3.53		
		1	30.00	$\frac{4.5+4.6}{2}$	0.025 = 3.41		
		1	30.00	$\frac{4.6+3.8}{2}$	0.025 = 3.15		
		1	5.00	$\frac{3.8+5.3}{2}$	0.025 = 5.57		
		1	30.00	$\frac{5.6+5.5}{2}$	0.025 = 4.16		
		1	30.00	$\frac{5.5+5.6}{2}$	0.025 = 4.13		
		1	30.00	$\frac{5.5+5.5}{2}$	0.025 = 4.13		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3	1	30.00	$\frac{5.5+5.9}{2}$	0.025 =	4.28	
		1	30.00	$\frac{5.9+6.0}{2}$	0.025 =	4.46	
		1	30.00	$\frac{6.0+5.9}{2}$	0.025 =	4.46	
		1	30.00	$\frac{5.9+6.0}{2}$	0.025 =	4.46	
		1	15.00	$\frac{6.0+6.0}{2}$	0.025 =	2.25	
		1	30.00	$\frac{4.6+4.6}{2}$	0.025 =	3.45	
		1	30.00	$\frac{4.6+4.9}{2}$	0.025 =	3.56	
		1	20.00	$\frac{4.9+4.5}{2}$	0.025 =	2.35	
	from SWD to Singapore Road	1	30.00	$\frac{4.8+4.3}{2}$	0.025 =	3.41	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Age

Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	CFF Mohyd
7)	Lead for - Dis at Carriage ra loadgad unlo in-charge of wo

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
5.5+5.9 / 2	0.025 =	4.28	
5.9+6.0 / 2	0.025 =	4.46	
6.0+5.9 / 2	0.025 =	4.46	
5.9+6.0 / 2	0.025 =	4.46	
6.0+6.0 / 2	0.025 =	2.25	
4.6+4.6 / 2	0.025 =	3.45	
4.6+4.9 / 2	0.025 =	3.56	
4.9+4.5 / 2	0.025 =	2.35	
4.8+4.3 / 2	0.025 =	3.41	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209139

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CFF Mohurs	1	35.40	4.3+5.2 / 2	0.025 =	4.16	
						138.80 m^3	
					Ltd to	138.75 m^3	
					@	8475.84/m^3	11,76,023.00

77 Lead for Disposal of debris shall be payable at Carriage rates by mechanical means including loading and unloading etc as per the direction of Engineer in charge of work.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

qty = vide. It no (1) = 832.50 m^3

Ltd to 800.00 m^3

@ 73.57/- 58856.00

Total - Rs 29,65,741.88

Certificate

(1) certified that the contractor work done satisfactorily.

(2) the contractor removed the debris from site.

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agen

Date of commencement of work .....

Date	Full description, etc, of work
1	2

REMENT BOOK

Dimensions				Contents	Reference to last Measurement
er	Length 4	Breadth 5	Depth 6	7	8
ty = vide. Ht No (1) = 832.50 m^3					
Ltd to 800.00 m^3					
@ 73.57/-					58856.00
Total - Rs					29,65,741.88
contractor work done					
red the debris					

M. A. R. 57 (Rule 116)

Measurement Book 143.04

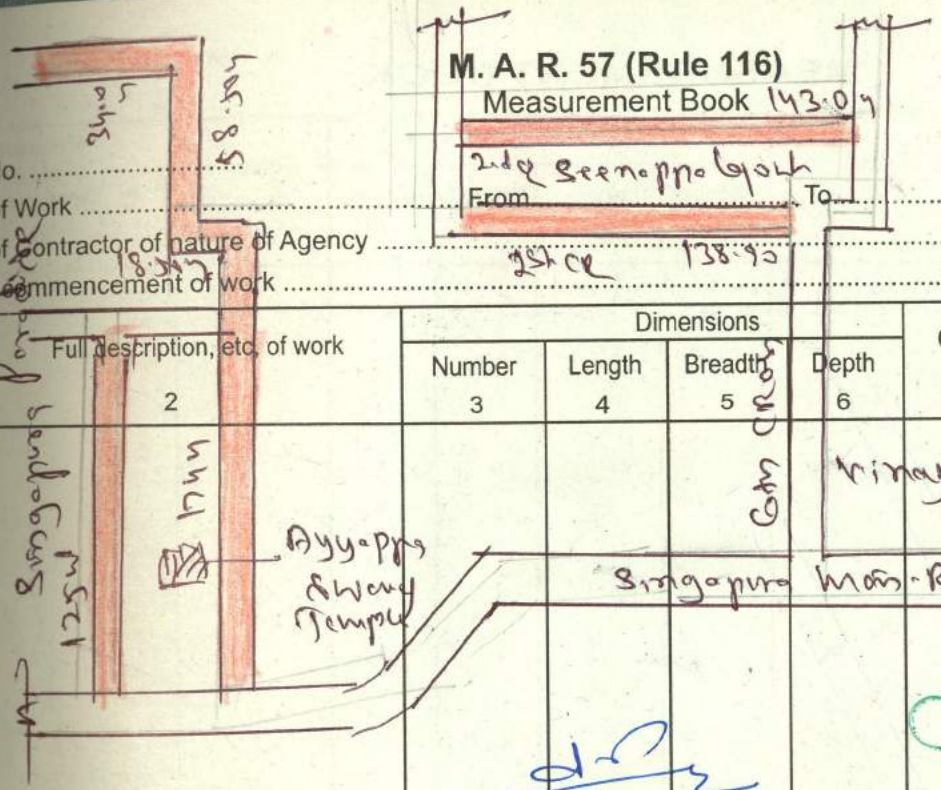
No. B 209140

Serial No. .....

Name of Work ..... From 2nd Seenappa Lagoon To .....

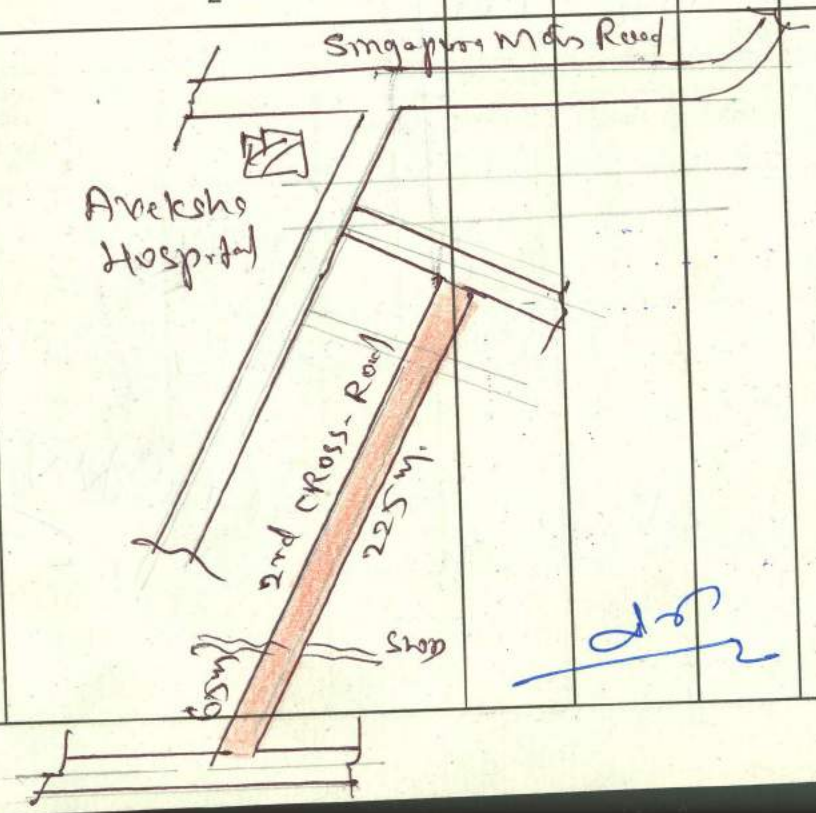
Name of Contractor of nature of Agency ..... 25th CR 138.90

Date of commencement of work .....



Date 1	Full description, etc. of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
					Vinayakanagar		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	3	6	7	8
							

30/7/26

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2

Audited
27
and Rs
Accts

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
ood				

30/7/16

. 57 (Rule 116)
urement Book

No. B 209141

Serial No. .....
Name of Work ..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						IT - 29680.00	
						PAT - 118650.00	
						LDF - 29680.00	
						CBF - 2969.00	
						LR - 62470	
						Total Deed - 243449	

Audited & Admitted for Rs 2965740.00
2722291 — by Cheque
and Rs 243449 by Adjustment
Krishnagoud
Accts Supdt
Byataravanapura Dn
BBMP
2/9/16